**SERVER ARCHITECTURE**
**Alternatives**

The PD² product supports client server processing with a large portion of that processing located on the client. The server is designed to support the system database. To select the appropriate server for supporting SPS, it is important to take many things in consideration. The application should not be co-located with communications processing or with other applications which use databases for processing. Some of the functional concerns surrounding the correct selection are:

- ➔ what kind of contracts are processed at the site,
- ➔ how many users will be processing PD² using the assigned server,
- ➔ how many servers will be required,
- ➔ how many contracts are processed each month/year, and
- ➔ what are the growth expectations.

The SPS Program Office has enlisted the services of the Defense Information Systems Agency (DISA) to assist in the formulation of an appropriate server selection for SPS. Server configurations listed on the following pages are the result of meetings held between the Program Office, AMS, and DISA Personnel. Because of time and money constraints associated with buying servers to support processing, the SPS Program Office has also entered into an agreement with the DISA to provide server support for PD² at the Defense Megacenter (DMC) at Columbus, Ohio. **The SPS Program Office will pay the charges for processing in FY97 and FY98**. The components will receive these services free for these first two fiscal years. At that time, the DISA will enter into negotiations with the Components for processing in the follow-on years.

The DMC will support the PD² with an Hewlett-Packard 9000 T520 minicomputer with 6 processors, 1GB of RAM and over 60 GB DASD. The machine sits 30 feet from the Electronic Commerce Processing Node and 15 feet from the shared data warehouse that will support functionality due to be delivered in increment 3 of the PD² product. All machines are connected with fiber-optic backbone.